WHAT IS CLAIMED IS:

1. A low profile evaporative cooler comprising:

a housing including a base, a top, and side walls defining an interior, a fan or blower being located within the interior having an outlet for blowing air through an opening in the housing;

a duct system having a first end with a first duct opening in fluid communication with the opening in the housing and a second end located a distance above the top of the housing and having a second opening for directing air into an opening in a building.

2. The evaporative cooler of claim 1, wherein the opening in the building is a window, the top of the housing being located below a lower edge of the window.

3. The evaporative cooler of claim 2, wherein the opening in the housing is in the top of the housing and the duct system spans a distance between the opening in the housing and the window.

4. The evaporative cooler of claim 3, wherein the duct system is expandable to adjustably extend between two different distances from the housing.

5. The evaporative cooler of claim 4, wherein the duct system includes an extension portion that is positioned within the opening in the window.

6. The evaporative cooler of claim 5, wherein the duct system includes a diverter portion that directs the air from an upward direction to a horizontal direction into the extension portion.

7. The evaporative cooler of claim 6, wherein, the opening in the extension portion is rectangular having a short pair of sides having a length equal to or less than one third of the length of the longer pair of sides.

8. The evaporative cooler of claim 7, wherein the length of the short pair of sides is no greater than five inches.

9. The evaporative cooler of claim 8, wherein the base includes adjustable legs extending below a bottom of the housing to level the housing or raise the housing relative to the window.

10. The evaporative cooler of claim 9, wherein the extension member is secured to the window within a frame positioned between the window and the building.

11. The evaporative cooler of claim 10, wherein the frame includes at least two portions that are expandable relative to one another to fit a variety of sized openings.

12. The evaporative cooler of claim 11, wherein the frame includes means for securing the extension member and a plastic or glass portion between the extension member and building.

13. A method for installing an evaporative cooler in a window located in a building, wherein the window includes at least one movable portion, the method comprising:

placing an evaporative cooler having a housing with a vertical height extending from the ground lower than the vertical height of the bottom of the window;

attaching a first portion of a duct to the housing;

placing a frame between the movable portion of the window and the building; and

securing a second portion of the duct to the frame; and operatively securing the frame between the movable portion of the window and the building.

14. The method of claim 13, wherein attaching a duct includes providing an adjustable duct and adjusting the length of the duct to extend from the housing to the window.

15. The method of claim 14, further including placing a clear sheet of in the frame between the duct and the building, such that the duct and the clear sheet have a combined length substantially equal to a length of a window opening defined by the movable window and the building.

16. The method of claim 15, wherein the frame includes a removable portion that is removed to place the clear sheet and duct within the frame, the removable portion being replaced to capture the clear sheet and duct within the frame.

17. The method of claim 16, wherein the duct includes a diverter portion diverting air from an upward direction to a horizontal direction through the window opening.

18. The method of claim 17, wherein the diverter includes a rectangular opening having a first pair of sides having a first length equal to the length of the window opening as measured along the movable portion of the window, the rectangular opening having a second pair of sides having a distance equal to the distance between the movable portion of the window and the building.

19. The method of claim 18, wherein the length of the first pair of sides is at least three times greater than the second pair of sides.

20. The method of claim 19, wherein the length of the second pair of sides is no greater than five inches.

21. A low profile evaporative cooler comprising:

a housing including a base, a top, and side walls defining an interior, a fan or blower being located within the interior having an outlet for blowing air through an opening in the housing;

adjustable legs supporting the housing and extending below a bottom of the housing;

a duct having a first opening secured to the opening in the housing and a second opening for directing air into an opening in a building.

22. The evaporative cooler of claim 21, wherein the duct includes a fixed portion extending from the opening in the housing to the opening in the building.

23. The evaporative cooler of claim 22, wherein the duct extends from an opening in a side panel of the housing adjacent the top of the housing.